

=> fil reg

FILE 'REGISTRY' ENTERED AT 15:39:28 ON 26 JUL 2005

=> d his

FILE 'HCAPLUS' ENTERED AT 14:13:17 ON 26 JUL 2005

L1 1 S US20040089026/PN  
SEL RN

FILE 'REGISTRY' ENTERED AT 14:13:44 ON 26 JUL 2005

L2 24 S E1-E24

FILE 'LREGISTRY' ENTERED AT 14:24:09 ON 26 JUL 2005

L3 STR

FILE 'REGISTRY' ENTERED AT 14:25:43 ON 26 JUL 2005

L4 STR L3  
L5 2 S L4  
L6 800 S L4 FUL  
SAV L6 HOF580/A  
L7 6 S L6 AND L2

FILE 'HCAPLUS' ENTERED AT 14:48:45 ON 26 JUL 2005

L8 397 S L6  
L9 12 S L8 AND OPTIC?/SC,SX  
L10 1 S L9 AND L1  
L11 4 S L8 AND (OPTIC? OR WAVEGUID? OR SILICIC?)  
L12 4 S L8 AND DOP?  
L13 17 S L9 OR L11 OR L12  
L14 4 S L8 AND DEVIC?  
L15 19 S L13 OR L14  
L16 26 S L8 AND PROC/RL  
L17 39 S L15 OR L16

FILE 'REGISTRY' ENTERED AT 15:39:28 ON 26 JUL 2005

=> d que l8

L4 STR

Ak<sup>4</sup>Si<sup>1</sup>~O~M<sup>3</sup> Si<sup>13</sup>~Ak<sup>14</sup>  
1 2 3 @13 14  
O 11  
G1  
12

VAR G1=AK/13

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 8

STEREO ATTRIBUTES: NONE

L6 800 SEA FILE=REGISTRY SSS FUL L4

L8 397 SEA FILE=HCAPLUS ABB=ON PLU=ON L6

=> fil hcap  
FILE 'HCAPLUS' ENTERED AT 15:39:46 ON 26 JUL 2005

=> d 117 1-39 ibib abs hitstr hitind

L17 ANSWER 1 OF 39 HCAPLUS COPYRIGHT 2005 ACS on STN  
ACCESSION NUMBER: 2005:547344 HCAPLUS  
DOCUMENT NUMBER: 143:78687  
TITLE: Blow molding polyethylene resins with improved  
environmental stress crack resistance  
INVENTOR(S): Mure, Cliff Robert; St. Jean, Guylaine; Jaker,  
Stephen Paul; Jorgensen, Robert J.; Breetz,  
Karen  
PATENT ASSIGNEE(S): USA  
SOURCE: U.S. Pat. Appl. Publ., 7 pp.  
CODEN: USXXCO  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005137365	A1	20050623	US 2003-743500	2003 1222
WO 2005066221	A1	20050721	WO 2004-US40841	2004 1207

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ,  
CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG,  
ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP,  
KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL,  
PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,  
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW  
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH,  
CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT,  
LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF,  
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-743500 A 2003  
1222

AB Polyethylene resins having improved environmental stress crack  
resistance (ESCR), stiffness and impact resistance is made by a  
process comprising feeding both a chromium oxide catalyst (e.g.,  
chromic acetylacetonate) and a silyl chromium catalyst (e.g.,  
bistrimethylsilylchromate) into a polymerization reactor. The chromium  
oxide catalyst and the silyl chromium catalyst are on sep.  
supports. The chromium oxide catalyst is 25-50 weight percent and  
the silyl chromium catalyst is 50-75 weight percent of the total weight  
of catalyst. The catalysts may be added sep. or as a single mixture  
IT 1624-04-0, Bistriethylsilylchromate 1746-08-3,